

The diagram illustrates a network architecture for mobile communication. At the top, a PSTN (200) is connected to a core network (100) through gateways 310a and 310b. The core network (100) includes MSC1 (310a), MSC2 (310b), and an IWF (100). The IWF (100) is connected to a PSN (300) and a PSDN (400). Mobile stations (10a, 10b, ..., 10n) are connected to the core network via BTS/BSCs (21, 22, ...) and MTs (110, 111, ..., 11n).

Figure 1 is a block diagram of a mobile communication system. The system is divided into three main sections: 100 (Mobile Data Path), 101 (Mobile Data Path Connection Module), and 102 (Public Network Data Path). Section 100 includes a mobile data path (34) and a mobile connection control module (33). Section 101 includes a mobile data path connection module (35) and a public network data path connection module (36). Section 102 includes a public network data path (37) and a public network data path connection module (38). The system is connected to external networks: PSTN (200) and Internet (300) via a switching section (150), and PSN (400) via a packet data processing section (140). A circuit data processing section (130) is also shown. A legend indicates that solid lines represent signal messages, dashed lines represent data paths, and dotted lines represent flow paths.

FIG. 3

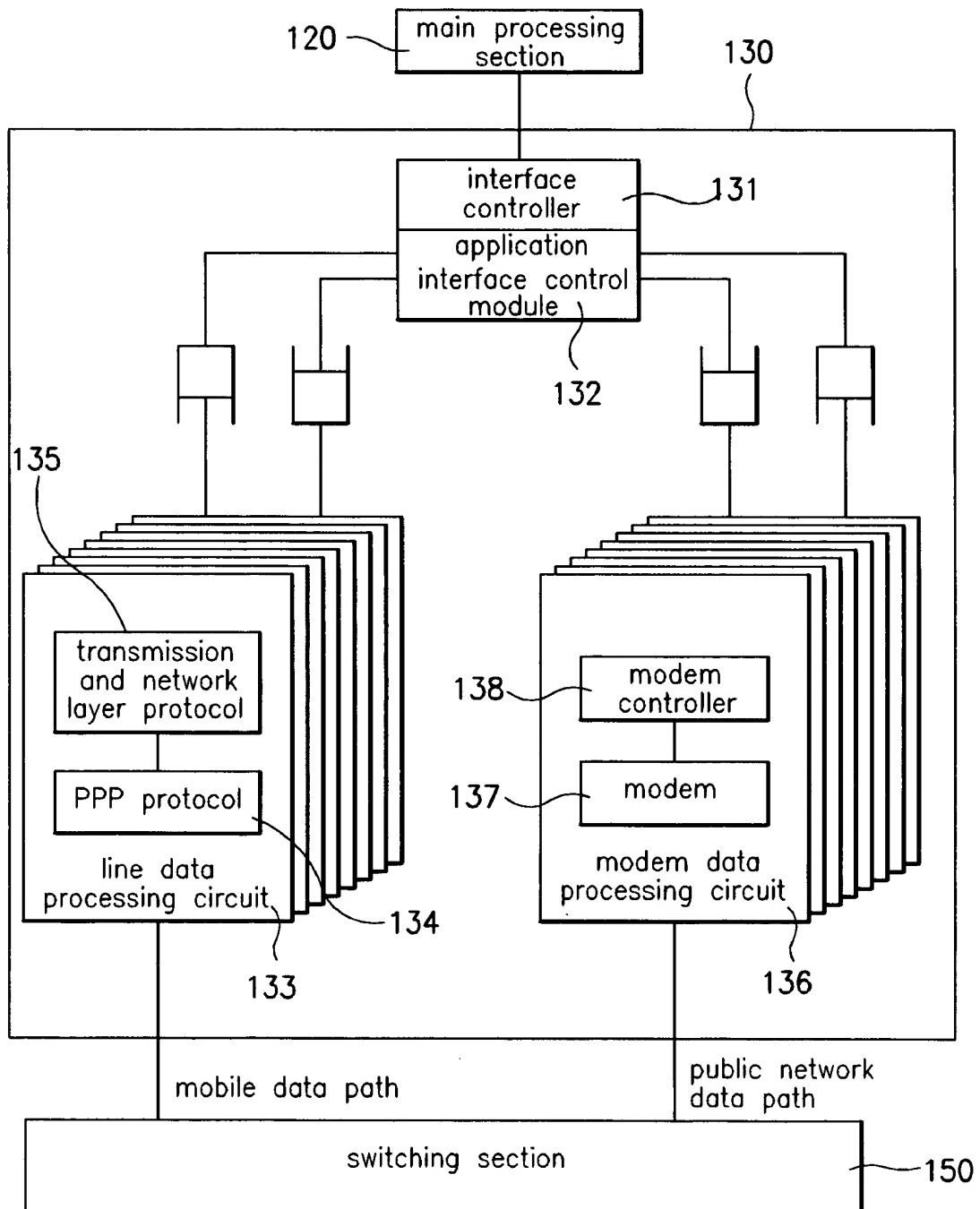
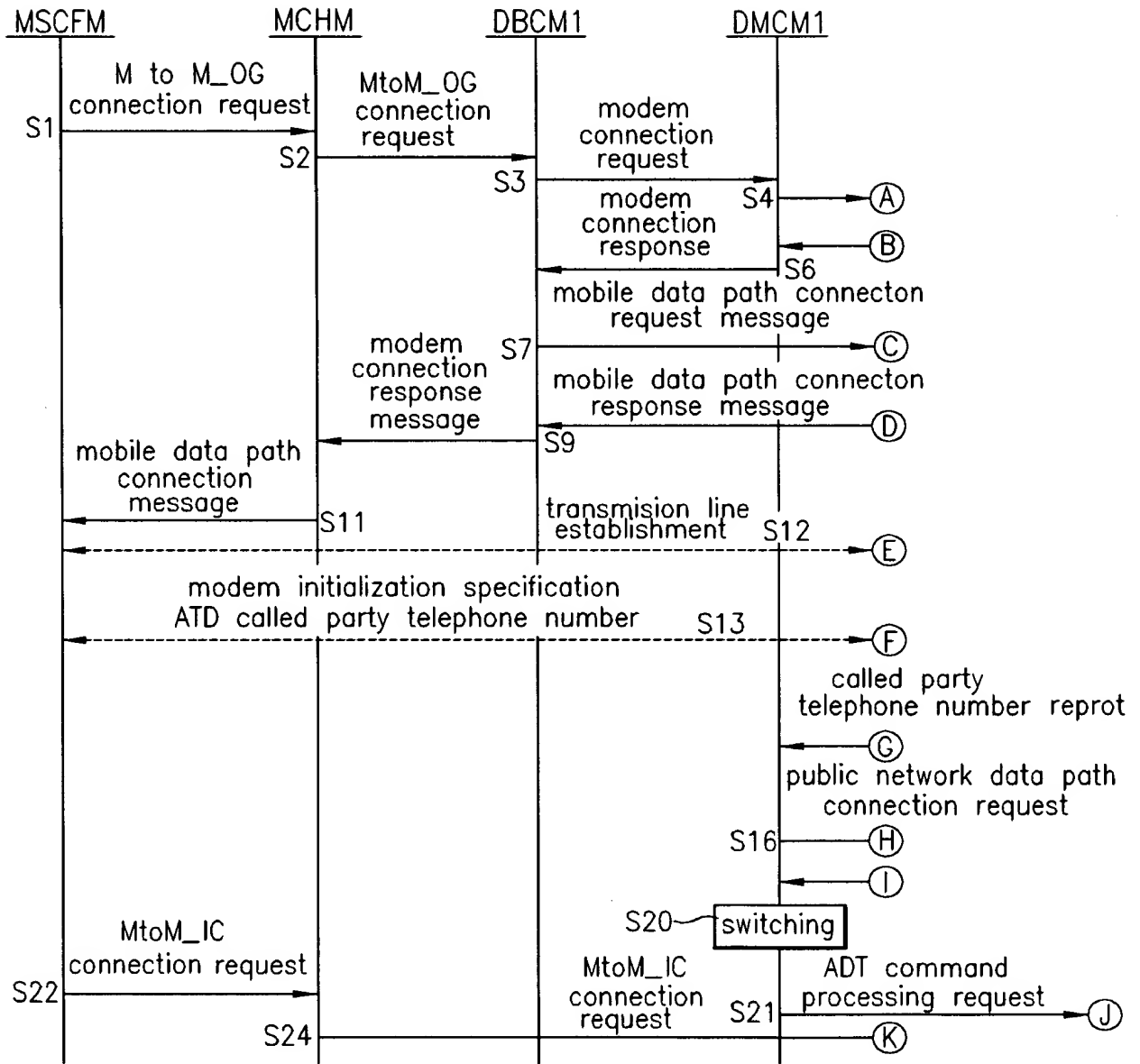


FIG. 4



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FIG. 4

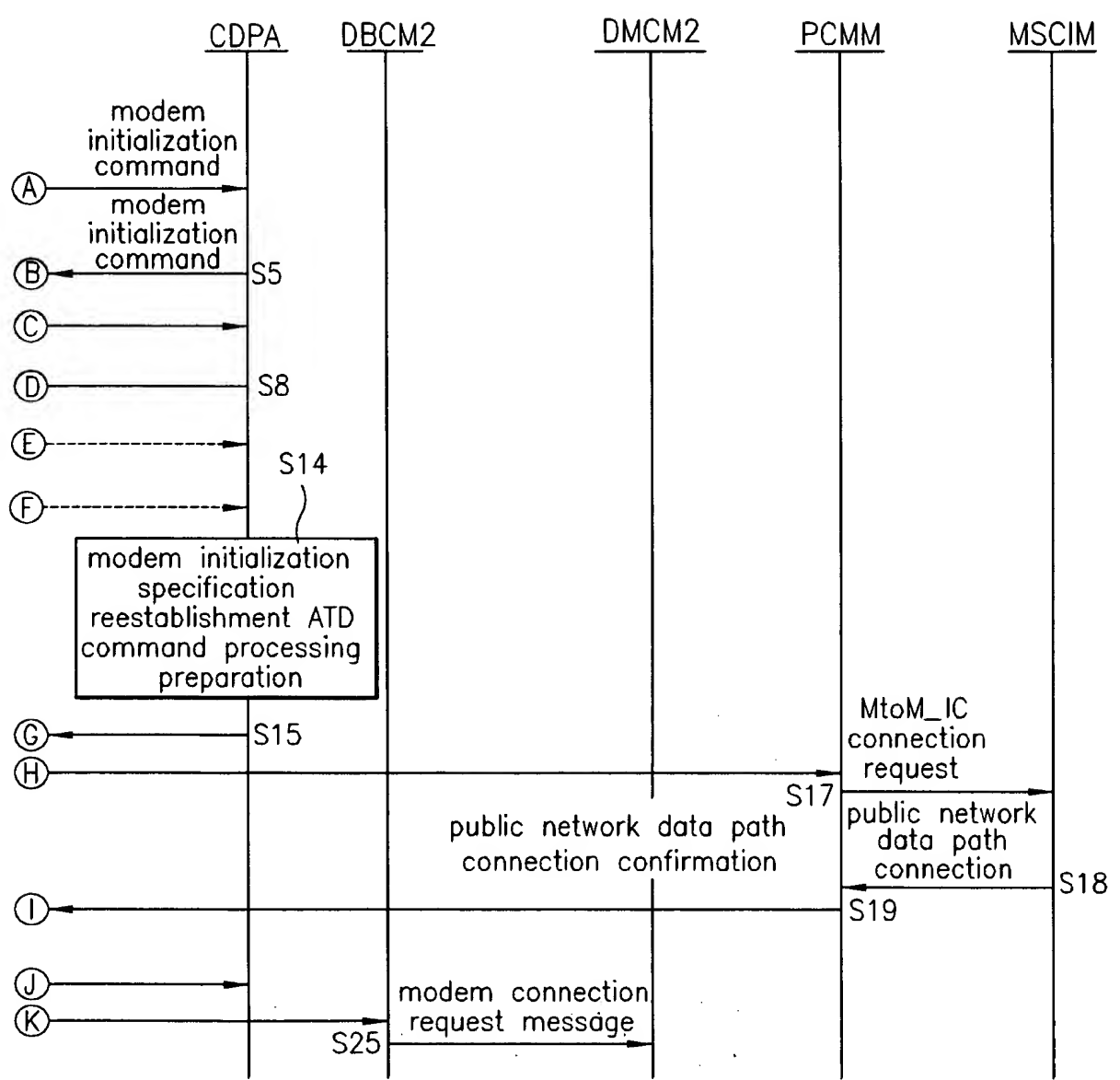


FIG. 4

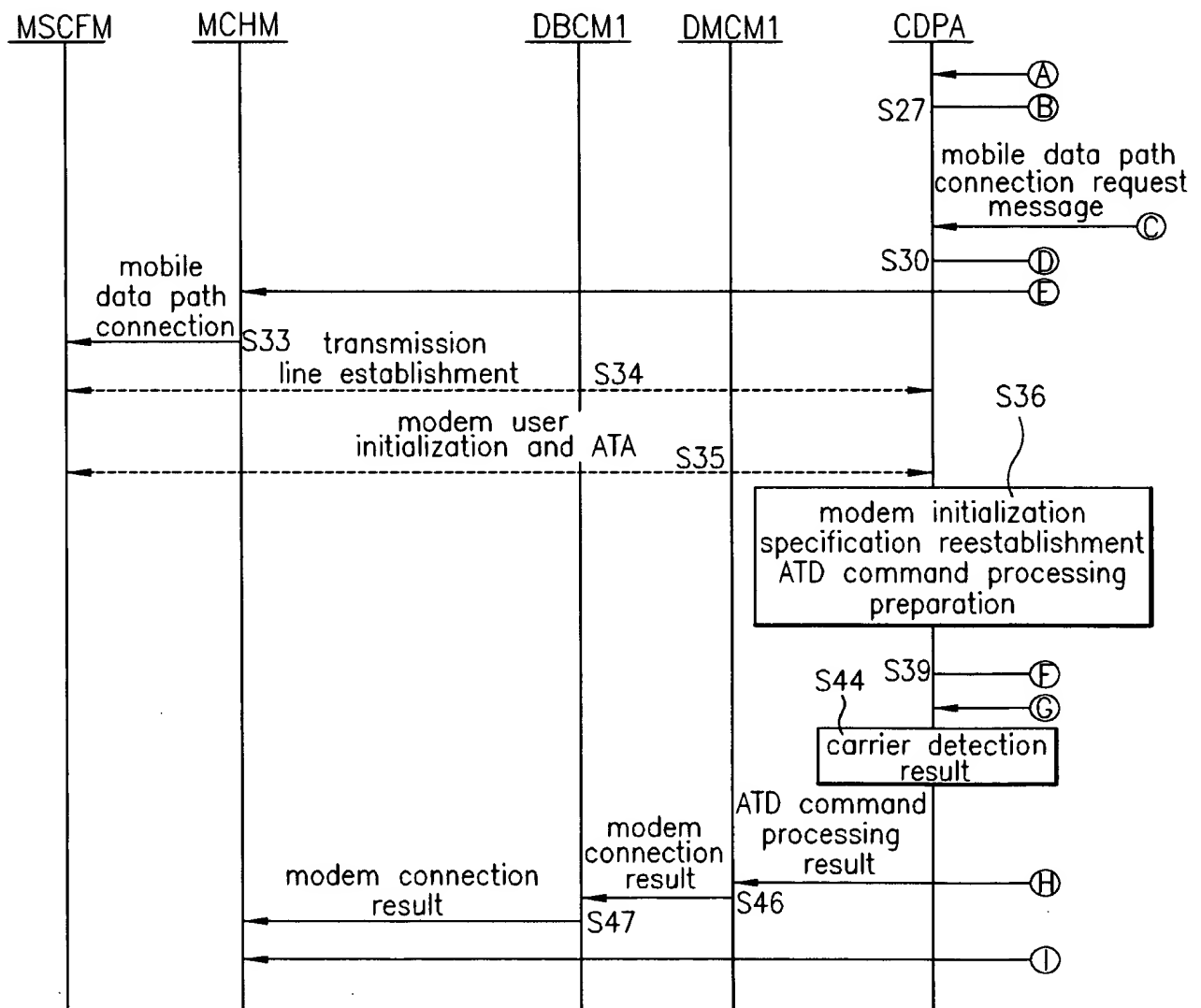




FIG. 5

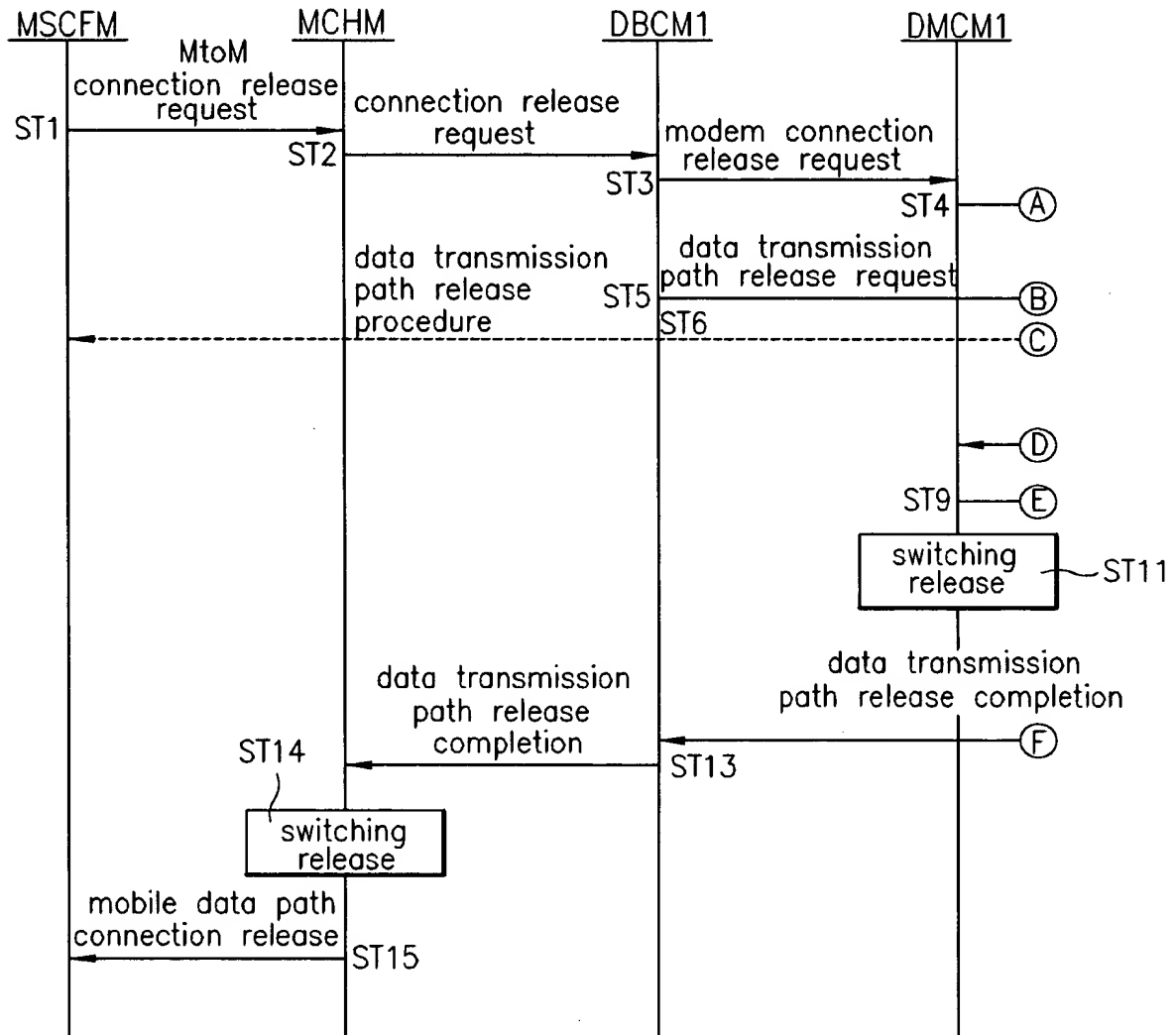




FIG. 5

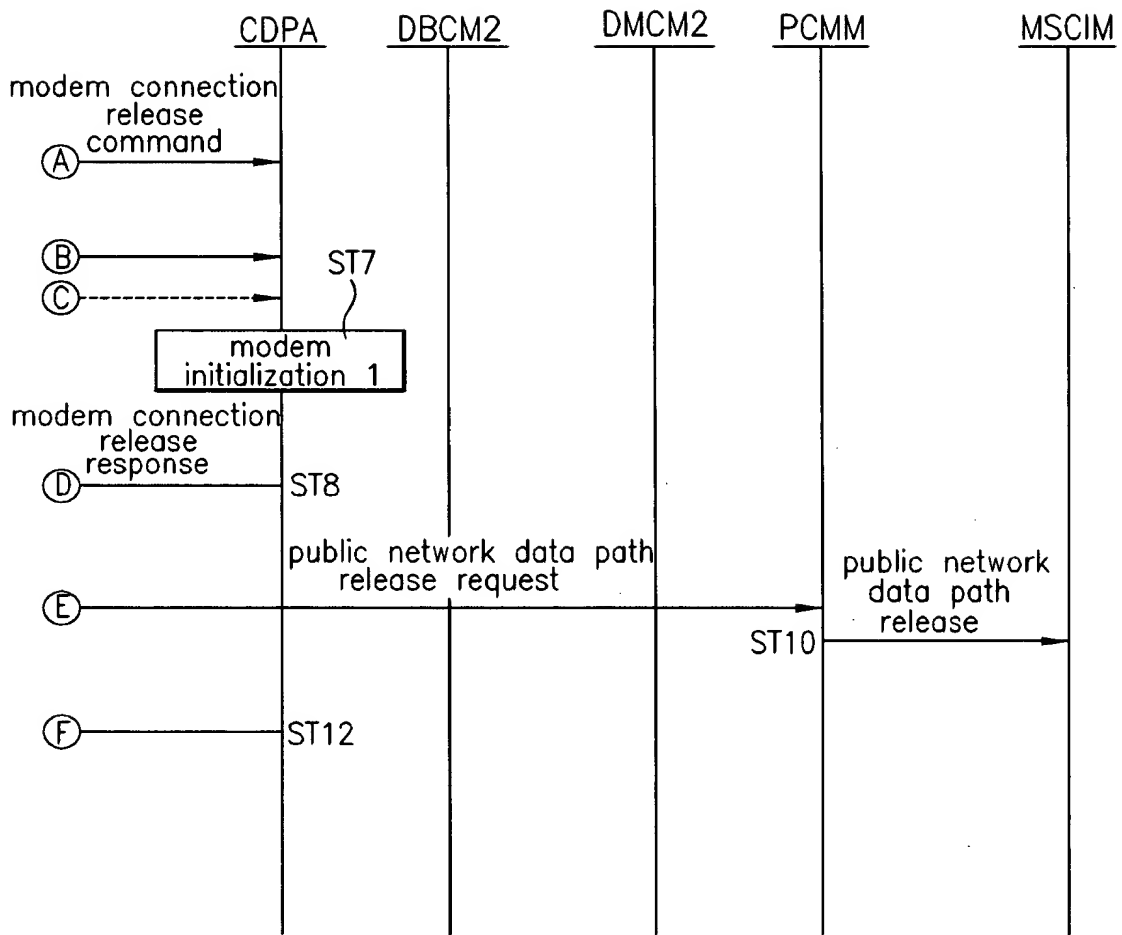


FIG. 5

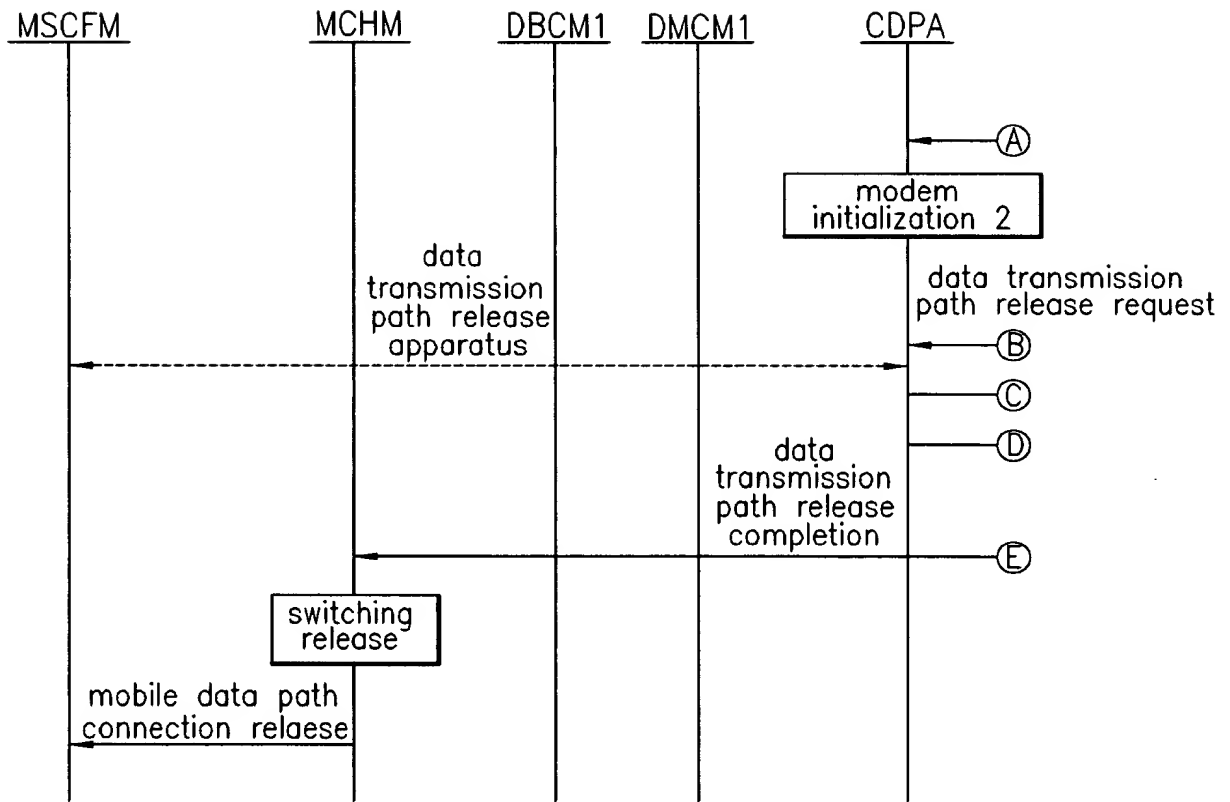
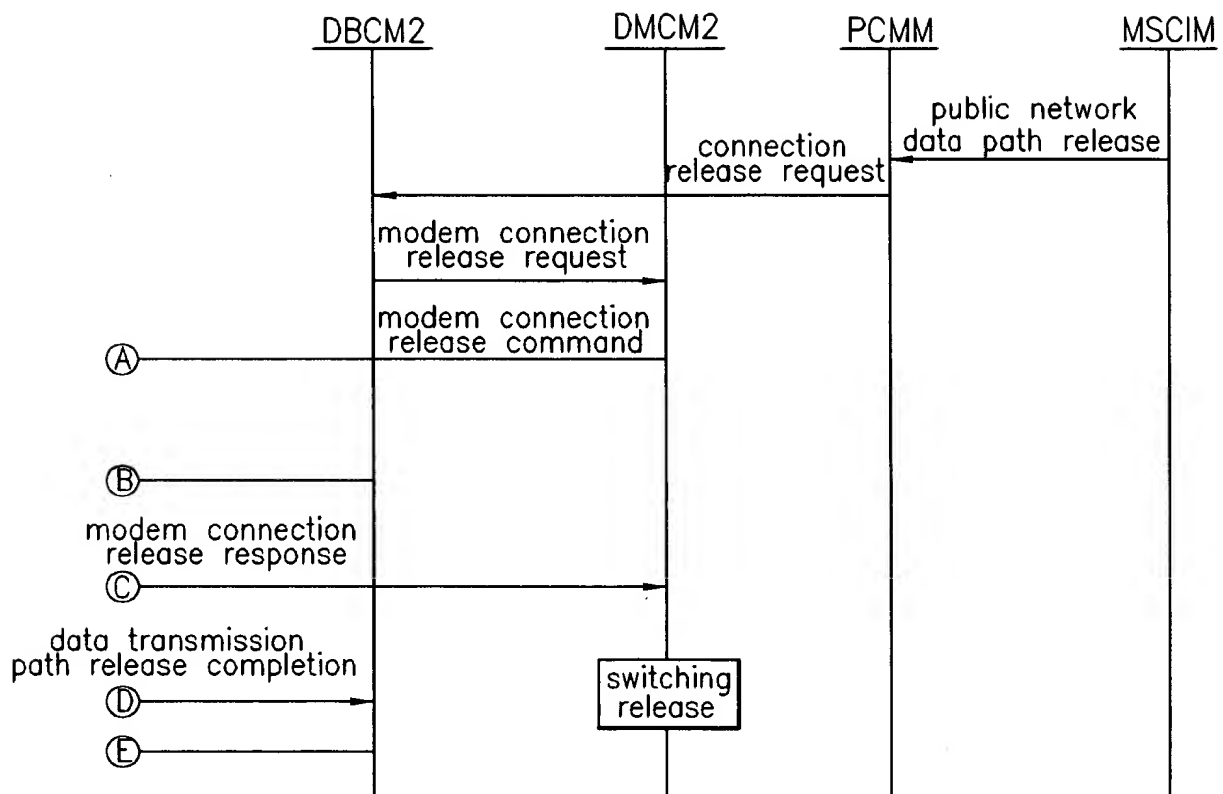


FIG. 5



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FIG. 6

